

Notice of Allowability

Application No.

10/762,766

Examiner

Pia F. Tibbits

Applicant(s)

PFAB ET AL.

Art Unit

2838

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendments filed 2/7 and 4/27/2005.
2. ☒ The allowed claim(s) is/are 1-27.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other approved amended dwg.

DETAILED ACTION

This Office action is in answer to the amendments filed 2/7 and 4/27/2005.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. The application has been amended as follows:

In the drawings:

Formal drawings to be submitted.

Allowable Subject Matter

4. Claims 1-27 are allowed.

With regard to claims 1-5 and 8-27: none of the references of record prior to applicant's filing date discloses, teaches, or suggests a method of controlling the charging of a vehicle battery comprising, *inter alia*, the generator supplies the consuming device of the vehicle and an additional consuming device with electric power only when the power requirement of the consuming device has been met, wherein the supplying of the additional consuming device and the charging of the vehicle battery are controlled in that when the power demand of the additional consuming device is not fully met, when it is determined that a charging current, which flows from the generator into the vehicle battery, is higher than a limit value, and when the generator power additionally permits the supplying of the additional consuming device, the additional consuming device is supplied with power by the generator and the charging current is adjusted such that it is lower than the maximally possible charging current while the generator is able to supply an electric power demanded by the consuming device.

With regard to claims 6-7: none of the references of record prior to applicant's filing date discloses, teaches, or suggests a system of controlling the charging of a vehicle battery comprising, *inter alia*, a control unit which is connected with the detection device and the control element and which has a

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connection for receiving a demand signal which signals an electric supply demand of an additional consuming device connected to the generator, wherein the system is further developed such that, in the case of a supply demand of the additional consuming device, the charging current can be adjusted such by the control element that it is lower than the maximally possible charging current while the generator power and the power demand of other consuming device connected to the generator are the same.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Pia Tibbits whose telephone number is (571) 272-2086. If unavailable, contact the Supervisory Patent Examiner Mike Sherry whose telephone number is (571) 272-2084. The Technology Center Fax number is (703) 872-9306.

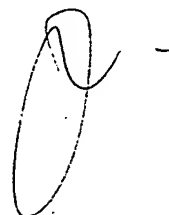
4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PFT

May 6, 2005

Pia Tibbits

Primary Patent Examiner



APPROVED
5/6/05
PATENT & TRADEMARK OFFICE
APR 27 2005
3046

Crowell & Moring, LLP (949) 263-8400
Title: Method and System for Controlling the Charging of a
Vehicle Battery
Serial No.: 10/762,766
First Inventor: Xaver Pfab
Docket: 080437.53095US

Replacement Sheet

1/1

